UCLA CTSI Training Program in Translational Science

MSCR Research/Clinical Trials

MS Timeline for 2025-26

REQUIREMENTS: 32 units required courses, **8 units** electives, **8 units** Biomath 596*

**ELECTIVES: must be graduate-level (200 or 400) basic science courses, but can be in any department.*
**BIOMATH 596: directed individual study with your assigned quantitative mentor.*
**Note: Contact your quantitative mentor each quarter you take 596 to confirm units and study plan.*

YEAR ONE

	Courses	Projects
FALL	- Biomath 170A - Biomath 260C	- When requested, submit research abstract for capstone committee selection
WINTER	- Biomath 265A - Biomath 266A - Option: elective or Biomath 596 with assigned quantitative mentor	- Meet with your assigned capstone committee
SPRING	- Biomath 266B - Option: elective and/or Biomath 596 with assigned quantitative mentor	- Meet with your assigned capstone committee

YEAR TWO

	Courses	Projects
FALL	- Biomath 260A - Biomath 261 - Option: elective or Biomath 596 with assigned quantitative mentor	- Meet with your assigned capstone committee
WINTER	- Biomath 259 - Option: elective and/or Biomath 596 with assigned quantitative mentor	- Meet with your assigned capstone committee
SPRING	- Biomath 260B - Option: elective and/or Biomath 596 with assigned quantitative mentor	- Meet with your assigned capstone committee - Advance to Candidacy: When requested, submit ATC form and transcript - Finish project draft (with scientific and quantitative mentors) for committee - Oral presentation of capstone to your full committee - Capstone committee submits results to Student Affairs Officer

2025-26 TPTS Course Offerings

(Subject to change. Confirm through your MyUCLA portal or here)

Courses with * are required at some point during training. Others listed are suggested electives.

Fall Instruction: Sep 25 - Dec 12

* Biomath 170A	Introductory Biomathematics for Medical Investigators				
	M/W	12:00 pm - 1:20 pm	4	Myung Shin Sim, Jeff Gornbein
* Biomath 170A Disc	Discussion for 170A			
	W	1:30 pm - 2:20 pm	0	Jeff Gornbein
* Biomath 260A	Methodology in Clinical Research I: Clinical Trials			
	M/W	10:00 am - 11:20 am	4	Chi-hong Tseng
* Biomath 260C	Methodology in Clinical Research III: Observational Studies			
	M/W	8:30 am - 9:50 am	4	Teresa Seeman, Magda Shaheen
* Biomath 261	Responsible Conduct of Research Involving Humans			
	W	4:00 pm - 5:50 pm	2	Neil Wenger

Winter Instruction: Jan 05 - Mar 20

* Biomath 259	Controversies in Clinical Trials				
	T	8:30 am - 9:50 am	2	David Elashoff, Veena Ranganath
* Biomath 265A	Data Analysis Strategies I*				
	M/W	12:00 pm - 1:20 pm	4	Jeff Gornbein
* Biomath 266A	Applied Regression Analysis in Medical Sciences				
	M/W	10:00 am - 11:20 am	4	Alexandra Klomhaus
Biomath 268	Analysis of Electronic Health Records				
	M/W	8:30 am - 9:50 am	4	Jeffrey Chiang
Biomath M262	Communication of Science (Grant/Journal Writing)				
	M/W	8:30 am - 9:50 am	4	David Elashoff, Veena Ranganath

Spring Instruction: Mar 30 - Jun 12

* Biomath 260B	Methodologies in Clinical Research II				
	M/W	9:30 am - 10:50 am	4	Myung Shin Sim, David Elashoff
* Biomath 266B	Advanced Biostatistics				
	M/W	11:00 am - 12:20 pm	4	Nicholas Jackson, Li-Jung Liang
Biomath 267	Machine Learning for Medicine				
	M/W	1:00 pm - 2:20 pm	4	David Elashoff, Angshuman Saha
Biomath 269	AI Applications in Medicine				
	W	2:30 pm - 3:50 pm	2	Jeffrey Chiang, David Elashoff
Biomath 285	Introduction to High-throughput Data Analysis				
	M/W	1:00 pm - 2:20 pm	4	David Elashoff, Jin Zhou

Stats 102A: Introduction to Computational Statistics with R may be substituted for Biomath 265A